

Title (en)

Apparatus for the expulsion of light volatile pollutants from ground water.

Title (de)

Anordnung zum Austreiben leichtflüchtiger Verunreinigungen aus dem Grundwasser.

Title (fr)

Dispositif pour chasser les souillures légèrement volatiles de la nappe souterraine.

Publication

EP 0437805 B1 19940302 (DE)

Application

EP 90125146 A 19901221

Priority

DE 4001012 A 19900116

Abstract (en)

[origin: US5116163A] An arrangement for driving out volatile impurities from a ground water and a ground region through which the ground water passes by introducing air or another gas into an opening in the ground region and subsequent aspiration of the air or the gas with entrained contamination substances, the contains a cup insert arranged to close an opening formed in a ground region at its lower end and provided with a closed wall, and two pipes arranged concentrically in the opening for supplying the air or gas and withdrawing the air or gas, respectively. The pipes include an inner pipe extending into an interior of the cup insert.

IPC 1-7

C02F 1/20; C02F 9/00; B01D 19/00

IPC 8 full level

B01D 19/00 (2006.01); **B01F 3/04** (2006.01); **B09C 1/00** (2006.01); **C02F 1/20** (2006.01); **C02F 9/00** (2006.01); **E21B 43/04** (2006.01); **E21B 43/12** (2006.01); B01F 5/00 (2006.01)

CPC (source: EP US)

B01F 23/23121 (2022.01 - EP US); **B01F 23/23761** (2022.01 - EP); **B09C 1/002** (2013.01 - EP US); **C02F 1/20** (2013.01 - EP US); **E21B 43/04** (2013.01 - EP US); **B01F 23/23761** (2022.01 - US); **B01F 2025/9121** (2022.01 - EP US); **B01F 2101/305** (2022.01 - EP US); **B09C 2101/00** (2013.01 - EP US); **C02F 2103/06** (2013.01 - EP US)

Cited by

EP0572818A1; EP0543358A1; WO2015162527A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

US 5116163 A 19920526; AT E102172 T1 19940315; CA 2034228 A1 19910717; DE 4001012 C1 19910502; DE 59004788 D1 19940407; EP 0437805 A1 19910724; EP 0437805 B1 19940302; ES 2049908 T3 19940501

DOCDB simple family (application)

US 64168391 A 19910116; AT 90125146 T 19901221; CA 2034228 A 19910115; DE 4001012 A 19900116; DE 59004788 T 19901221; EP 90125146 A 19901221; ES 90125146 T 19901221